CONSTRUCTION EQUIPMENT SW0122420 STALLION E VOLVO A25G 752826 - DIESEL ENGINE

Sample No:VCP426982Oil Type:DIESEL ENGINE OIL SAE 15W40Job No:SW0122420 STALLION E

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SAMPLE II	NFORMATION	_	_	
Sample Number		VCP426982		
Sample Date		05 Aug 2023		
Machine Hours		484		
Oil Hours		0		
Oil Changed		Changed		
Sample Status		ABNORMAL		
OIL CONDI	TION			
Visc @ 100°C	cSt	A 11.6		
Base Number (BN)	mg KOH/g	6.5		
Oxidation (PA)	%	57		
CONTAMI	NATION		_	
Soot %	%	0.1		
Nitration (PA)	%	74		
Sulfation (PA)	%	51		
Glycol	%	NEG		
Fuel	%	0.7		
Silicon	ppm	<u> </u>		
Sodium	ppm	3		
Potassium	ppm	3		

WEAR I	METALS			
Iron	ppm	13	 	
Copper	ppm	🔺 547	 	
Lead	ppm	 <1	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	92	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	2	 	
Manganese	ppm	4	 	
Vanadium	ppm	0	 	

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ADDITIVES							
Calcium	ppm	2409					
Magnesium	ppm	1 3					
Zinc	ppm	1307					
Phosphorus	ppm	1111					
Barium	ppm	0					
Boron	ppm	70					



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO6174

 Unique No:
 10602709

 Signed:
 Don Baldridge

 Report Date:
 15 Aug 2023

Signed: Report Date:

Report Id: VOLVO6174 [WUSCAR] 05922762 (Generated: 08/15/2023 09:03:04) Rev: 1

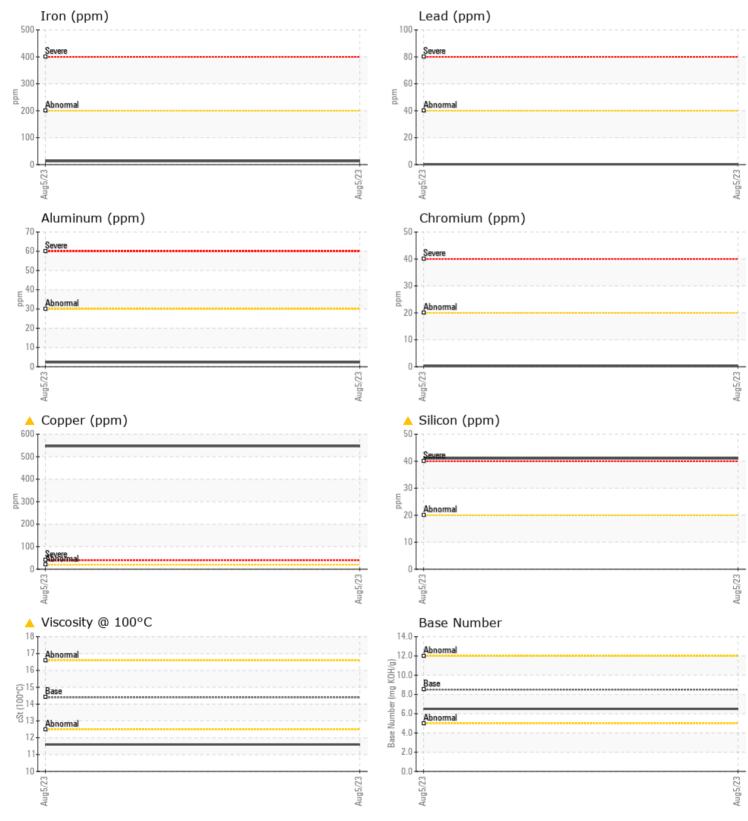
Contact/Location: RANDY PRZEKURAT - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 05922762 (Generated: 08/15/2023 09:03:06) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174